



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY  
A Nationally Accredited Laboratory

737 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010725  
DATE CERTIFICATION METHOD PERFORMED: July 1, 2015  
DATE RECERTIFICATION DUE: December 28, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

#### Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L      0.150 ± 0.008 g/210 L  
0.080 ± 0.004 g/210 L      0.250 ± 0.008 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

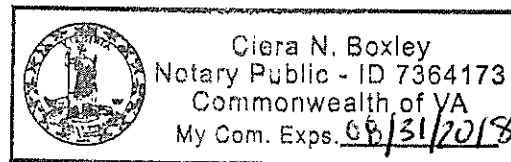
Timmy L. Neece, Jr.  
Forensic Scientist

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2<sup>nd</sup> day of July, 2015 by Timmy L. Neece, Jr.

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
7/1/2014 To 7/2/2015

DBH  
TLN

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Instrument Serial Number:	010725	As of 02-Jul-15
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
01-Jul-15	01-Jul-15	DBH (21250)	CERTIFIED.
29-Jan-15	29-Jan-15	DBH (21250)	REPLACED UPS BACK-UP BATTERY. CERTIFIED.
15-Aug-14	15-Aug-14	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.

DBH  
TLH

## INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010725 Worksheet Start Date 7/1/2015  
Location Fort Eustis  
Address 648 Washington Blvd Fort Eustis VA 23604  
DFS Technician Donald Hall License No. 21250  
☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 760 Reference Barometer (mm HG) 757  
Reference Barometer(RB)Serial # 009109 RB Calibration Due 7/28/2015

### Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.296
0.300	0.300	0.291	0.309	Sample 2	0.296
Precision		sample min	sample max	Sample 3	0.295
0.001		0.295	0.296		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.097
0.100	0.100	0.097	0.103	Sample 2	0.097
Precision		sample min	sample max	Sample 3	0.097
0		0.097	0.097		

Dry gas standard Lot No. (with tank no.) AG400202-36

☐ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies

Mouthpieces

Certificates of Analysis

Operator Worksheet

Other:

25

50

50

Notes:

Instrument Serial Number

010725

Certification Date

7/1/2015

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.246
0.250	0.250	0.242	0.257	Sample 2	0.246
Precision		sample min	sample max	Sample 3	0.245
0.001		0.245	0.246		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.147
0.150	0.150	0.145	0.154	Sample 2	0.147
Precision		sample min	sample max	Sample 3	0.147
0		0.147	0.147		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.078
0.080	0.080	0.077	0.083	Sample 2	0.079
Precision		sample min	sample max	Sample 3	0.079
0.001		0.078	0.079		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

*Donnell B Hall*

Date

*7/2/15*

Issuing Analyst

*[Signature]*

Date

*7/2/15**MSH*

DBH  
TLN




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 07/01/2015
TEST EQUIPMENT NUMBER 010725		

RESULTS: TIME SAMPLE TAKEN 13:08 EDT  
0.00  
SAMPLE'S ALCOHOL CONTENT \_\_\_\_\_ GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 01 Jul 2015 at 15:47

DBH  
TLW

## Test Results

Instrument Serial Number 010725

Test # 000534 Subject Test

Test Location 1 Department of  
Test Date 01 Jul 2015

Test Location 2 Forensic Science  
Test Time 13:01  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

License Number 21250

Card Serial Number 121250

Effective Date 10/01/2014

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 01 Jul 2015

End Time 13:09

Result Time 13:08

Result Date 01 Jul 2015

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:01

Data Type BLK

Sample Value 0.000

Sample Time 13:02

Data Type CHK

Sample Value 0.099

Sample Time 13:03

Data Type BLK

Sample Value 0.000

Sample Time 13:04

Data Type SUBJ

Sample Value 0.000

Sample Time 13:05

Data Type BLK

Sample Value 0.000

Sample Time 13:06

Data Type SUBJ

Sample Value 0.000

Sample Time 13:08

Data Type BLK

Sample Value 0.000

Sample Time 13:09

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG400202-36

Standard Expiration Date 01/02/2016

Tank Pressure 683

Barometric Pressure 760 mmHg

Blow Sample Number 1

Blow Duration 3.76 sec

Blow Volume 2060 cc

End-of-Blow Time 13:05

Blow Sample Number 2

Blow Duration 3.64 sec

Blow Volume 1968 cc

End-of-Blow Time 13:08

Tamper Evident Stamp a8278bcd

Test Status Code 0

Test Status Success

Intox EC/IR-II: Accuracy Check

DBH

TLN

*Department of Forensic Science*

Serial Number: 010725      Test Number: 535

Test Date: 07/01/2015      Test Time: 13:11 EDT

Dry Gas Target: 0.100

Lot Number: AG400202-36      Exp Date: 01/02/2016

Tank Pressure: 678 psi      Barometric Pressure: 760 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:11
CHK	0.099	13:12
BLK	0.000	13:14
CHK	0.099	13:14
BLK	0.000	13:16
CHK	0.099	13:17

Test Status: *Success*

Calibration CRC: F1C91400

Intox EC/IR-II: Accuracy Check

DBH

Thw

Department of Forensic Science

Serial Number: 010725 Test Number: 536

Test Date: 07/01/2015 Test Time: 13:20 EDT

Dry Gas Target: 0.300

Lot Number: AG506501-12 Exp Date: 03/06/2017

Tank Pressure: 120 psi Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:20
CHK	0.299	13:21
BLK	0.000	13:23
CHK	0.298	13:24
BLK	0.000	13:26
CHK	0.298	13:26

Test Status: Success

Calibration CRC: F1C91400



Intox EC/IR-11: Certification

DBH  
TKN

Department of Forensic Science

Serial Number: 010725 Test Number: 537

Test Date: 07/01/2015 Test Time: 13:29 EDT

Technician Initials: DBH

Dry Gas Target: 0.250

Lot Number: 1611425014-01 Exp Date: 07/05/2016

Tank Pressure: 281 psi Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:30
BLK	0.000	13:31
CHK	0.246	13:31
BLK	0.000	13:33
CHK	0.246	13:34
BLK	0.000	13:36
CHK	0.245	13:37
BLK	0.000	13:38

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

Intox EC/IR-11: Certification

DBH

TLN

Department of Forensic Science

Serial Number: 010725 Test Number: 538

Test Date: 07/01/2015 Test Time: 13:41 EDT

Technician Initials: DBH

Dry Gas Target: 0.150

Lot Number: 16114150I3-04 Exp Date: 07/05/2016

Tank Pressure: 698 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:41
BLK	0.000	13:42
CHK	0.147	13:43
BLK	0.000	13:44
CHK	0.147	13:45
BLK	0.000	13:47
CHK	0.147	13:48
BLK	0.000	13:49

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH  
TLN

Department of Forensic Science

Serial Number: 010725 Test Number: 539

Test Date: 07/01/2015 Test Time: 13:51 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 1611408012-03 Exp Date: 07/05/2016

Tank Pressure: 634 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:51
BLK	0.000	13:52
CHK	0.078	13:53
BLK	0.000	13:54
CHK	0.079	13:55
BLK	0.000	13:56
CHK	0.079	13:57
BLK	0.000	13:59

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH

TLN

*Department of Forensic Science*

Serial Number: 010725      Test Number: 540

Test Date: 07/01/2015      Test Time: 14:01 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 1611402011-02      Exp Date: 07/05/2016

Tank Pressure: 840 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:01
BLK	0.000	14:02
CHK	0.019	14:03
BLK	0.000	14:04
CHK	0.019	14:05
BLK	0.000	14:06
CHK	0.019	14:07
BLK	0.000	14:08

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-11: Accuracy Check

DBH  
TLW

*Department of Forensic Science*

Serial Number: 010725      Test Number: 541

Test Date: 07/01/2015      Test Time: 14:11 EDT

Dry Gas Target: 0.300

Lot Number: AG506501-12      Exp Date: 03/06/2017

Tank Pressure: 115 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:12
CHK	0.296	14:13
BLK	0.000	14:15
CHK	0.296	14:16
BLK	0.000	14:18
CHK	0.295	14:18

Test Status: *Success*

Calibration CRC: F1C91400

Intox EC/IR-11: Accuracy Check

DBH

TLW

Department of Forensic Science

Serial Number: 010725 Test Number: 542

Test Date: 07/01/2015 Test Time: 14:21 EDT

Dry Gas Target: 0.100

Lot Number: AG400202-36 Exp Date: 01/02/2016

Tank Pressure: 664 psi Barometric Pressure: 759 mmHg

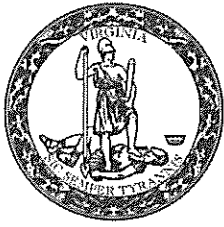
System Check: Passed

Test	g/210L	Time
BLK	0.000	14:22
CHK	0.097	14:23
BLK	0.000	14:24
CHK	0.097	14:25
BLK	0.000	14:26
CHK	0.097	14:27

Test Status: Success

Calibration CRC: F1C91400

DBH  
TLN



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2016	DATE TEST CONDUCTED 07/01/2015
TEST EQUIPMENT NUMBER 010725		

RESULTS: TIME SAMPLE TAKEN 14:37 EDT  
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
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☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 01 Jul 2015 at 15:47

DBH  
TW

## Test Results

Instrument Serial Number 010725

Test # 000543 Subject Test

Test Location 1 Department of  
Test Date 01 Jul 2015

Test Location 2 Forensic Science  
Test Time 14:31  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2014

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 01 Jul 2015 End Time 14:39

Result Time 14:37

Result Date 01 Jul 2015

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:31

Data Type BLK

Sample Value 0.000

Sample Time 14:32

Data Type CHK

Sample Value 0.097

Sample Time 14:33

Data Type BLK

Sample Value 0.000

Sample Time 14:34

Data Type SUBJ

Sample Value 0.000

Sample Time 14:35

Data Type BLK

Sample Value 0.000

Sample Time 14:36

Data Type SUBJ

Sample Value 0.000

Sample Time 14:37

Data Type BLK

Sample Value 0.000

Sample Time 14:38

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG400202-36

Standard Expiration Date 01/02/2016

Tank Pressure 654

Barometric Pressure 759 mmHg

Blow Sample Number 1 Blow Duration 3.56 sec

Blow Volume 1969 cc End-of-Blow Time 14:35

Blow Sample Number 2 Blow Duration 3.79 sec

Blow Volume 2020 cc End-of-Blow Time 14:37

Tamper Evident Stamp fc2c5c1a

Test Status Code 0

Test Status Success